

UNIT 1
CONGRUENCE, PROOF AND
CONSTRUCTIONS

- **Understanding congruence in terms of rigid motion**
- **Prove geometric theorems and use the results with algebra to solve problems**

18 DAYS

Priority Standards:
G-CO.5, G-CO.8, G-CO.10

Supporting Standards:
G.CO.2, G.CO.3, G.CO.4, G.CO.6, G.CO.7, G.CO.13

Embedded Objectives:
A-SSE.1.a, A-SSE.1.b, A-APR.1, A-CED.1, A-CED.2, A-CED.3, A-REI.1, A-REI.4.b,
F-IF.7.e, F-IF.8.a, F-BF.1

UNIT 2
SIMILARITY, RIGHT TRIANGLES AND
TRIGONOMETRY

- **Understand similarity in terms of similarity transformations.**
- **Trigonometry**

18 DAYS

Priority Standards:
G-SRT.1.a, G-SRT.8, F-IF.7 (b,e), G-MG.3

Supporting Standards:
G-SRT.1.b, G-SRT.6, G-SRT.7, G-SRT.9, G-SRT.11, G-MG.1, G-MG.2

Embedded Objectives:
A-SSE.2, A-CED.4, A-REI.2, A-CED.2, N-Q.1, N-Q.2, N-Q.3, F-IF.4, F-IF.5, F-BF.3, N-RN.2, A-CED.4, A-REI.2 (variation),
F-IF.2 (variation), F-IF.5 (variation)

UNIT 3
EXTENDING TO
THREE-DIMENSIONS

- **Visualize relationships between 2 and 3 dimensional objects**

5 DAYS

Priority Standards:
G-MG.1

Supporting Standards:
G.GMD.4

Embedded Objective:
N-RN.2 (for solving volume problems involving cubes)

BENCHMARK TEST

(continued...)

UNIT 4
QUADRATICS

- **Modeling & Solving with Quadratic Functions**

15 DAYS

Priority Standards:
A-APR.3, A-REI.4b, A-CED.3

Supporting Standards:
A.CED.2, F.IF.2, F.IF.5, F.BF.3, A.REI.10, F.IF.9, A.REI.1, F.IF.8.a, A.SSE.2, A.REI.7, A.REI.11, A.CED.1, F.IF.9

UNIT 5
**CONNECTING ALGEBRA AND
GEOMETRY THROUGH COORDINATES**

- **Translate between the geometric description and the equation for a circle**

5 DAYS

Priority Standards:
G.GPE.1, C.CO.10

Supporting Standard:
G.GPE.6

Embedded Objective:
A-SSE.3.c

UNIT 6
APPLICATIONS OF PROBABILITY

- **Understand independence and conditional probability and use them to interpret data.**
- **Use the rules of probability to compute probabilities of compound events in a uniform probability model.**

17 DAYS

Priority Standards:
S.CP.4, S.CP.9

Supporting Standards:
S.CP.1, S.CP.2, S.CP.3, S.CP.5, S.CP.6, S.CP.7, S.CP.8, S.IC.2, S.IC.6

12 DAYS TO REVIEW/TEST/REMEDiate OR USE AS NEEDED